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| Substitute for Form PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 1034193-000052 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/577556 |
| INTERNATIONAL APPLICATION NO. PCT/EP2004/012360 | INTERNATIONAL FILING DATE 2 November 2004 (02.11.2004) | PRIORITY DATE CLAIMED 3 November 2003 (03.11.2003) |
| TITLE OF INVENTION ROTARY TRANSFORMER | | |
| APPLICANT(S) FOR DO/EO/US MAST, Jochen; SCHUTZ, Jean; HELFRICH, Jens; SCHEIBLE, Guntram; and LUTHARDT, Colin | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission to items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 21 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: 1) General Authorization for Petitions for Extensions of Time and Payment of Fees 2) Application Data Sheet _____ _____ _____ _____ _____ | | |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/577556 | | INTERNATIONAL APPLICATION NO. PCT/EP2004/012360 | | ATTORNEY'S DOCKET NUMBER 1034193-000052 | |
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| 21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>ABB RESEARCH LTD., Zurich, Switzerland</u> | CALCULATIONS PTO USE ONLY |
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| 22. <input checked="" type="checkbox"/> The following fees are submitted: | | | | | |
| Basic Filing Fee (1631) | | | | \$ 300.00 | |
| Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | <input type="checkbox"/> 20 <input type="checkbox"/> 30 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ | |
| Total Claims | 20 | -20 = | 0 | x \$50.00 (1615) | \$ 0.00 |
| Independent Claims | 1 | -3 = | 0 | x \$200.00 (1614) | \$ 0.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | | + \$360.00 (1616) | |
| Examination Fee | | | | + \$200.00 (1633) | \$ 200.00 |
| Search Fee | | | | + \$400.00 (1632) | \$ 400.00 |
| App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets) | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | | \$ 900.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | + | \$ 0.00 |
| SUBTOTAL = | | | | | \$ 900.00 |
| Processing fee of \$130.00 (1618) for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | <input type="checkbox"/> 20 <input type="checkbox"/> 30 | \$ 0.00 |
| TOTAL NATIONAL FEE = | | | | | \$ 900.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property + | | | | | |
| TOTAL FEES ENCLOSED = | | | | | \$ 900.00 |
| | | | | Amount to be refunded : | |
| | | | | charged : | |

a. ☐ A check in the amount of _____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-4800 in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

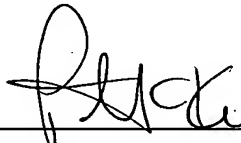
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed.

d. ☒ Charge \$ 900.00 to credit card. Form PTO-2038 is attached.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Buchanan Ingersoll PC
 Including attorneys from Burns, Doane, Swecker & Mathis
 P.O. Box 1404
 Alexandria, Virginia 22313-1404
 (703) 836-6620


 SIGNATURE

 Patrick C. Keane
 NAME

32,858 April 28, 2006
 REGISTRATION NO. DATE